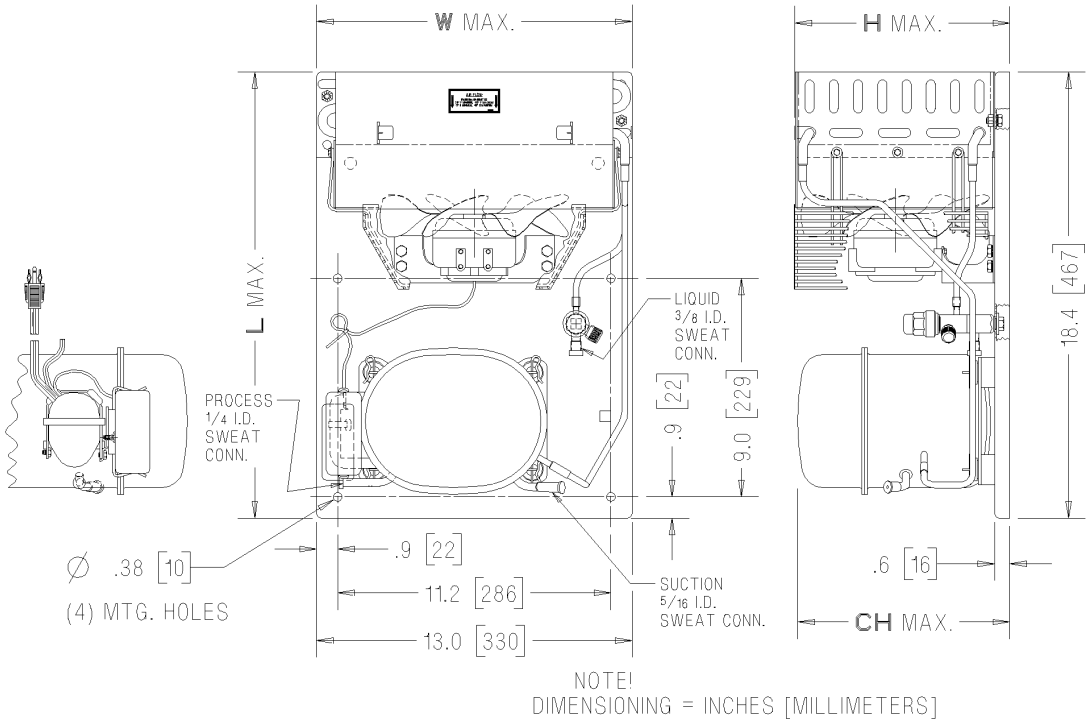
Tecumseh Products Company
Hermetic Condensing Units

Model: AEA2410YXAXA **R-134a** **1/4 HP** **Air Cooled**



Model	Dimensions, inches				Line Connection*		Pumpdown	Air	Oil Ch	Gr. Wt.
	L	W	H	CH	Suction	Liquid	90% @90°F	SCFM	cc	Lbs.
AEA2410YXAXA	18.4	13.0	9.0	9.0	5/16" S	3/8" S	-	240	480	49

* F = Flare, S = Solder, RF or RS = Rotolock with Flare or Solder Connections, C = Compression Fitting
Factory charge: 20 PSIG Nitrogen – **MUST BE EVACUATED**

60 Hz Performance

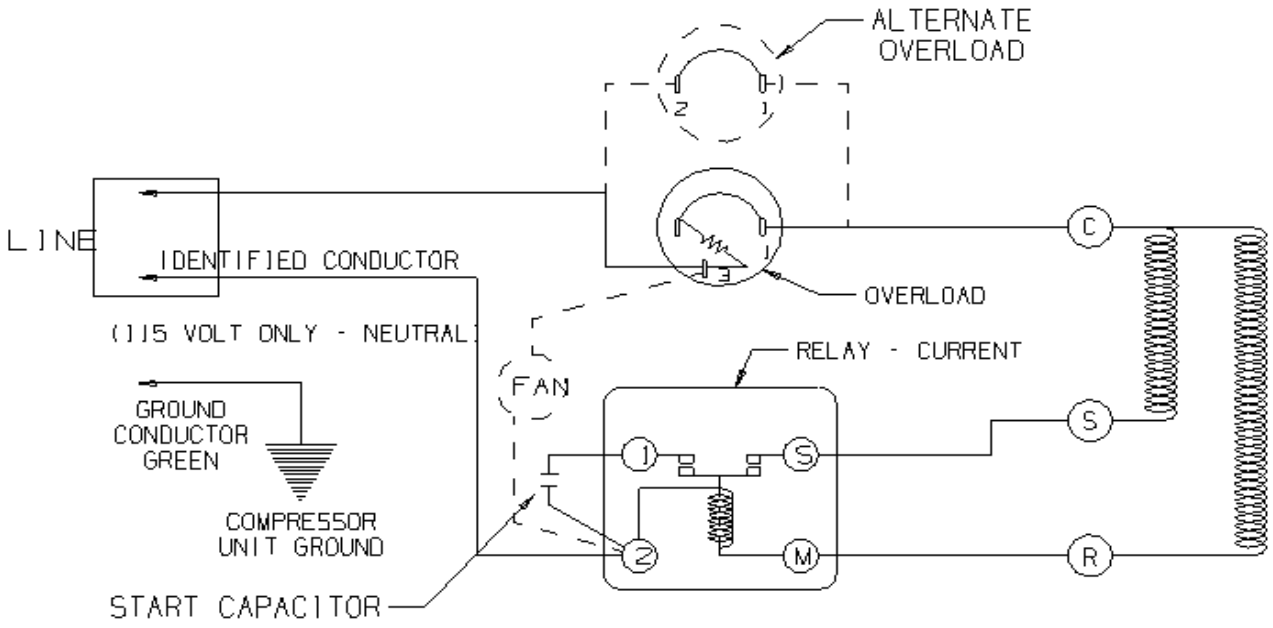
		Ambient Temperatures								
Evaporator		90 deg F			100 F			110 deg F		
T, °F	PSIG	BTUH	Watts	Head	BTUH	Watts	Head	BTUH	Watts	Head
-30	*4.9"	520	275	120	440	265	138	340	255	160
-25	*3.4"	640	300	124	560	295	142	440	285	165
-20	*1.8"	770	320	128	690	320	147	560	305	170
-15	0	915	345	132	820	345	152	690	340	175
-10	1.9	1070	370	138	960	370	158	830	375	180
-5	4.1	1230	400	144	1110	400	165	970	400	190
0	6.5	1410	430	152	1260	430	172	1120	430	195
5	9.1	1590	460	160	1420	460	182	1280	465	205
10	11.9	1770	495	168	1580	495	190	1430	500	215

Based on 40°F return gas (for all condensing temps), 5°F subcooling.
Note: * = Inches of Mercury below 1 Atmosphere

Revision 1, June 4, 2003

Specifications: AEA2410YXAXA R-134a 1/4 HP Air Cooled

Model	AEA2410YXAXA
Nominal Volts-Hz-Ph	115/60/1; 100/50/1
Unit Bill of Material	2C493-1
Voltage Range	103.5 – 126.5 Volts
Min. Circuit Ampacity	7.5 Amps
Max. Fuse Size (amps)	15 Amps
Compressor Model	AEA2410YXA
Comp. Bill of Material	AE600AT-928-P2
Alt. Comp. Bill of Mat.	--
Compressor RLA/LRA	5.60 / 40.0 Amps
Overload	8300MRTD88
Relay	8200EMBJ73
Alternate Relay	820RR12H54
Start Capacitor	85PS110C92
Start Capacitor Rating	270-324 µf @ 110 V
Fan Motor	810M006B45
Fan Ampacity	0.46 Amps
Fan Blade	51561-1
Condenser	50821
Condenser Shroud	70854 - Paper
Unit Drawing	SU 1896-183
Electrical Drawing	DEAE-2
Low Side Design Pressure	150 PSIG
High Side Design Pressure	350 PSIG



115 OR 230 VOLT - SCHEMATIC WIRING DIAGRAM - CSIR

REF. DWG. MD-472-1